



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

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No. 13]

नई दिल्ली, शनिवार, मार्च 27, 1976 (चैत्र 7, 1898)  
NEW DELHI, SATURDAY, MARCH 27, 1976 (CHAITRA 7, 1898)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

## भाग III—खण्ड 2

### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
THE PATENTS & DESIGNS  
Calcutta, the 27th March 1976  
CORRIGENDUM

(1)

In the Gazette of India, Part-III, Section 2, dated the 29th June, 1974, in page 419, Column 2 under the heading "Cessation of Patents".

Delete : 97550 and 97916.

(2)

In the Gazette of India, Part-III, Section 2, dated the 27th July, 1974 in page 507, column 1 under the heading "Cessation of Patents".

delete 104797

(3)

In the Gazette of India, Part-III, Section 2, dated the 19th October, 1974 in page 738, Column 2 under the heading "Cessation of Patents".

delete 114652.

(4)

In the Gazette of India, Part-III, Section 2, dated the 9th November, 1974 in page 807, Column 1 under the heading "Cessation of Patents".

Delete : 120054.

517GI/75

(5)

In the Gazette of India, Part-III, Section 2, dated the 7th February, 1976 at page 120 Column-II under the heading "Application for Patents filed at the (Bombay Branch)"

Insert just below the figures and letter 380/Bom/75 and entries thereagainst, the following figures and word—  
26th December, 1975.

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

19th February, 1976

297/Cal/76. Horstine Farmery Limited. Improvements in or relating to spray apparatus. (February 27, 1975).

298/Cal/76. Maschinenfabrik Rieter A.G. Production of waste wraps and thread reserve windings on a bobbin tube. (April 17, 1975).

299/Cal/76. Planning & Development Division, Fertilizer Corporation of India Limited. Electronic polarograph.

20th February, 1976

300//Cal/76. Council of Scientific and Industrial Research. Nonconcentrating solar collector positive displacement pump.

(269)

301/Cal/76. Council of Scientific and Industrial Research. Improvements in or relating to making ordinary writing paper conducting for use as base paper in zinc oxide paper based electrophotographic process.

302/Cal/76. Centre Stephanois De Recherches Mecaniques Hydromecanique Et Frostement. Continuous transport system.

303/Cal/76. ARZO N. V. A process for the removal of water from a mixture substantially made up of gasification coal and water by mechanical means.

304/Cal/76. Eli Lilly and Company. 3-Azido 2, 6-dinitroamlines.

305/Cal/76. K. Gandhi. Improvements in hydrocarbon vapour burners for lighting and heating purposes.

306/Cal/76. Dr. H. C. Shekharia Visvesvaraya. A drive system for use with said rotary grate.

307/Cal/76. Bayer Aktiengesellschaft. A process for producing 6-amino penicillanic acid. [Divisional date March 12, 1974].

308/Cal/76. Dresser Industries, Inc. Earthworks construction system.

21st February, 1976

309/Cal/76. Stauffer Chemical Company. System for diminishing the emission of noxious gases.

310/Cal/76. Snamprogetti S.p.A. Method for extracting phenols and oligosaccharides from vegetables tissues.

311/Cal/76. Moskovsky. Aviatsonny Institut Imeni Sergo Ordzhonikidze. Electromagnetic switching device.

312/Cal/76. R. K. Dandekar. Improved type of single flap doors for chests, safes lockers, etc.

313/Cal/76. Ardhendusekhar Sarkar. Rope operated shuttle car for use in mining and tunnel operations.

314/Cal/76. Ajit Kumar Bhattacharjya. Medium and heavy duty type of improved design rotating centre.

23rd February, 1976

315/Cal/76. The Dow Chemical Company. Method of regenerating liquid desiccants or acid gas absorbing liquid desiccants or mixtures thereof.

316/Cal/76. The Dow Chemical Company. Method for gas dehydration with liquid desiccants and regeneration thereof.

317/Cal/76. UOP Inc. Detergent-grade alkylate production.

318/Cal/76. Svenska Aktiebolaget Bromsregulator. A device for discontinuing and automatically restoring the operational function of a spring brake actuator.

319/Cal/76. Flogates Limited. Improvements in or relating to the pouring of metals. (March 8, 1975).

320/Cal/76. Gruppo Lepetit S.p.A. New antibiotic substances. (March 5, 1975).

24th February, 1976

321/Cal/76. Council of Scientific and Industrial Research. Automotive fuel timer.

322/Cal/76. Council of Scientific and Industrial Research. A process for the reduction of mill scale utilizing metallurgical wastes.

323/Cal/76. Council of Scientific and Industrial Research. An improved process for electrothermal distillation of metals and alloys.

324/Cal/76. Council of Scientific and Industrial Research. Improvements in or relating to smelting of lead from lead sulphide concentrates.

325/Cal/76. Shri R. Bansal and Shri P. Lal. The pammi modules of tube settlers.

326/Cal/76. Raymond E. Starbard. Multiple air motor drive unit.

327/Cal/76. Wilmo-Breeden Limited. Improvements in or relating to door latches.

328/Cal/76. Imperial Chemical Industries Limited. Nitrogen-containing compounds. (March 26, 1975).

25th February, 1976

329/Cal/76. Ihara Chemical Kogyo Kabushiki Kaisha. Process for the preparation of O, O-dialkyl-S-benzyl thiophosphates. (January 16, 1976).

330/Cal/76. Mitchiro Inove, Masayuki Ishikawa Takashi Tsuchiya and Takio Shimamoto. Process for the preparation of 1-phthalazone derivatives. [Divisional date October 29, 1974].

331/Cal/76. Hindustan Plastics. A composite container.

332/Cal/76. Vsesojuzny Nauchno-Issledovatel'sky Institut Ispolzovania Gaza V Narodnom Khozyaistve, podzemnogo Khraneniya Nefti Nefteproduktov I Szhi-zhennykh Gazov "Vniipromgaz". Method of underground gasification of a coal bed.

333/Cal/76. Rhone-Poulenc Industries. Apparatus and process for the preparation of polyesters.

334/Cal/76. Alfred Herbert Limited. Automatic control systems and methods. [Divisional date May 5, 1973].

335/Cal/76. Bayer Aktiengesellschaft. Preparation of 1-amino-anthraquinone.

336/Cal/76. Halcon International, Inc. Process for the recovery of ethylene oxide.

#### APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

27/Mas/76. Intercon Engineers Private Limited. Improvements in or relating to drying techniques of veneers, cardboards and like materials.

19th February, 1976

28/Mas/76. Dr. M. B. Row. Process of purification and preparation of *Nux Vomica*.

29/Mas/76. Dr. M. B. Row. Process for preparing pharmaceutical preparation.

20th February, 1976

30/Mas/76. Arjundas Jamandas. Confectionery.

21st February, 1976

31/Mas/76. P. R. Srinivasan. A hydraulic vice.

32/Mas/76. P. R. Srinivasan. A universal clamping device

#### ALTERATION OF DATE

138737.

11/Bom/73.

Post-dated 15th January, 1973.

138754.

261/Cal/74.

Ante-dated 3rd November, 1967.

138768.

1267/Cal/74.

Ante-dated 30th October, 1972.

138769.

1266/Cal/74.

Ante-dated 30th October, 1972.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice

to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 3F1+F.b. I.C. C07d87/20.

138731.

**NEW 3, 1-BENZOXAZINE-4-ONE-DERIVATIVES AND PROCESS FOR THE PREPARATION THEREOF.**

Applicants : CHINOIN GYOGYSZER ES VEGYESZETI TERMEKEK GYARA RT. OF TOUTCA, 1-5 BUDAPEST IV, HUNGARY.

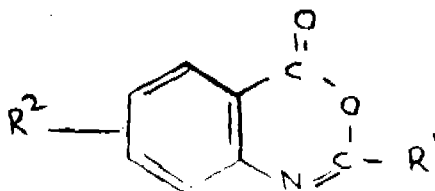
Inventors : ZOLTAN ECSERY CHEM. (2) MRS. JUDIT HERMANN, NEE ROROS, (3) ANNAMARIA ALBISI. (4) DR-EVASOMFAI.

Application No. 1201/Cal/73 filed May 22, 1973.

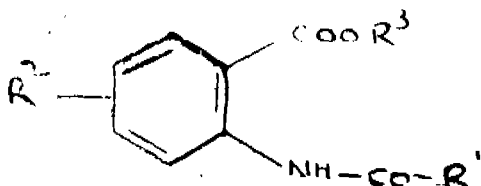
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**10 Claims**

A process for the preparation of new compounds of the general formula I.



wherein R<sup>1</sup> represents an alkyl group substituted by two or three halogen atoms, an alkoxy or cycloalkoxy group, R<sup>2</sup> represents a hydrogen or halogen atom or an alkyl, alkoxy or nitro-group, which comprises subjecting compounds of the general formula II.



wherein R<sup>1</sup> and R<sup>2</sup> have the same meaning as stated above and R<sup>3</sup> represents a hydrogen atom, or an alkyl group or a salt thereof to ring-closure under the removal of the molecule R<sup>3</sup>OH by reacting the same with organic or inorganic dehydrating agents as herein described to form compounds of the general formula I wherein R<sup>1</sup> and R<sup>2</sup> have the same meaning as stated above.

CLASS 187-H. I.C. H04b 5/02.

138732.

**SHORT-RANGE TRANSCEIVER.**

Applicants : THOMSON-CSF, OF 173, BL. HAUSSMANN, 75008, PARIS, FRANCE.

Inventors : PIERRE DEMAN,

Application No. 1209/Cal/73 filed May 23, 1973.

Convention date December 12, 1972 (57355/72) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**8 Claims**

A transceiver comprising a millimetric wave oscillator connected as a super-regenerative amplifier relaxed by a relaxation oscillator and forming both the final stage of the transmitter channel and the first stage of the receiver channel.

CLASS 85Q. I.C. F27b 7/00.

138733.

**IMPROVEMENTS RELATING TO ROTARY DRUMS WITH TRANSMISSIONLESS DRIVE.**

Applicants : F. L. SMIDTH & CO. A/S, OF 77, VIGER-SLEV ALLE, DK 2500 COPENHAGEN-VALBY, DENMARK.

Inventors : HELGE CARL CHRISTIAN KARTMAN.

Application No. 707/Cal/74 filed March 29, 1974.

Convention date April 6, 1973 (16622/73) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**7 Claims**

A rotary drum having a transmissionless drive, wherein the drum is at least partly supported by a slide ring which is carried by stationary slideshoes or rollers and surrounds the drum to which it is attached, and the drum is driven by an electric motor the rotor and stator of which surround the body of the drum, and the rotor of which is attached to the slide ring and forms a unit with the slide ring.

CLASS 116G. I.C.-B66f 11/00, B66C 1/04.

138734.

**LOAD LIFTING MAGNET.**

Applicants : FRIED. KRUPP GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, OF ALTENDORFER STRASSE 103, D-43 ESSEN, WEST GERMANY.

Inventors : WERNER BARAN, HANS DEHNEN, (PIERS ERDMANN AND WILHELM SCHWARZ.

Application No. 971/Cal/74 filed April 30, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**11 Claims**

Load lifting magnet comprising at least one group of two permanent magnets and two common pole shoes by which a magnetic short circuit can be established by reversing the polarity of one of the permanent magnets by a current pulse in a winding surrounding it, characterised in that the two permanent magnets of each group are arranged spaced apart with their axes parallel near or above one another so that both end faces of both permanent magnets contact the two pole shoes.

CLASS 32F<sub>3a</sub> I.C. C07d 99/00. A61K 21/00. 138735.

## PROCESS FOR THE PREPARATION OF 3-IMINOMETHYL DERIVATIVES OF RIFAMYCIN SV.

Applicants: ARCHIFAR INDUSTRIE CHIMICHE DEL TRENTINO S.p.A. OF ITALY, VIA DEI COLLI, 8,38068 ROVERETO, ITALY.

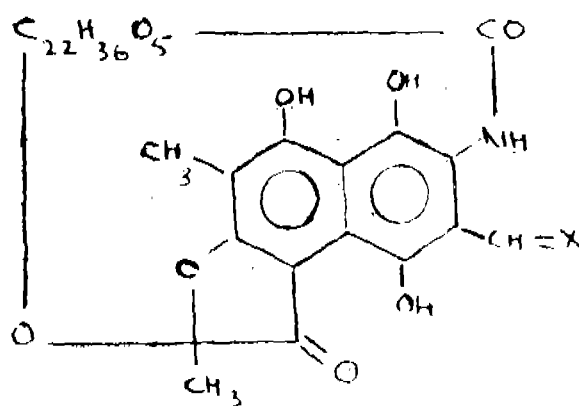
Inventors: LEONARDO MARSILI AND CARMINE PASQUALUCCI.

Application No. 1038/Cal/74 filed May 9, 1974.

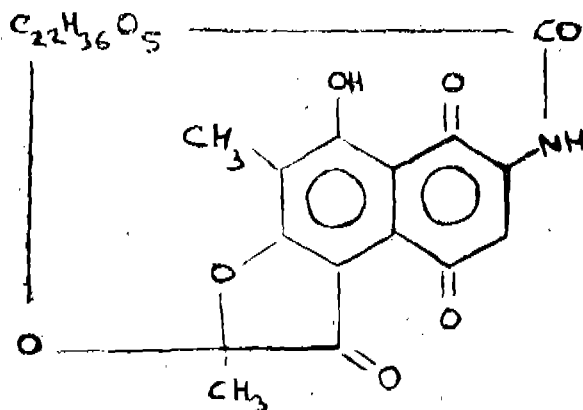
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

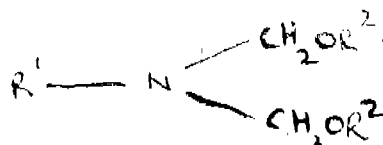
A process for the preparation of 3-iminomethyl derivatives of rifamycin SV of formula (III).



which comprises reacting rifamycin S of formula (II).

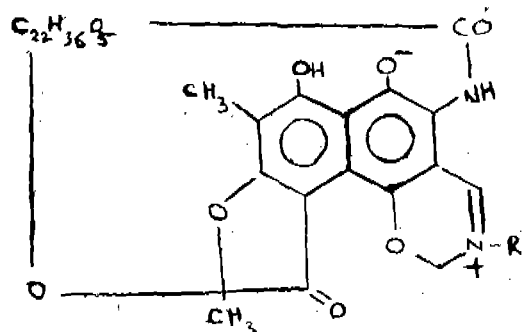


with a compound of formula (V).



in which R<sup>1</sup> is lower alkyl, lower alkenyl, cycloalkyl having from 5 to 6 carbon atoms, phenyl, benzyl or α- or β-phenethyl and R<sup>2</sup> is hydrogen or lower alkyl, in a first inert organic solvent at a temperature ranging from 0°C to the boiling

temperature of the solvent to give a solution of 1, 3-oxazino (5, 6-c) rifamycins of formula (IV).



in which R<sup>1</sup> is as above defined, treating said solution with water and a second inert organic solvent immixible with water at a pH adjusted at a value from 4 to 6 then discharging the aqueous phase and treating the organic phase with a primary amine, hydrazine, mono-substituted hydrazine or asymmetric di-substituted hydrazine at a temperature from about 20°C. to about 80°C under basic conditions, the derivatives (III) being finally isolated from the organic phase according usual techniques.

CLASS 89. I.C.-G01L 13/00.

138736.

## DIFFERENTIAL PRESSURE GAUGE.

Applicants: GOSUDARSTVENNY NAUCHNO-ISSLEDOVATELSKY INSTITUT TEPLOENERGETICHESKOGO PRIBOROSTROENIA, PROSPEKT MIRA, 95, MOSCOW, USSR.

Inventors: ALBERT YAKOVLEVICH JUROVSKY.

Application No. 1323/Cal/74 filed June 17, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A differential pressure gauge comprising a base, two membranes secured along the outer contour to the opposite sides of said base, rigidly interconnected by their middle portions through a hole in the base and forming, together with the latter, a pressuretight space filled with a liquid, the membranes are additionally fastened to each other rigidly along the circular zone which is concentric with the outer contour of the membranes while the circular peripheral spaces thus separated from the pressuretight space communicate with the latter through channels; the gauge also comprises a means connected with the middle portions of the membranes and intended to transmit the motion of said membranes caused by the effect of the pressure difference, and another means for transforming the motion of the membranes into an output signal, interacting with the first means.

CLASS 32C. I.C.-C07G 17/00.

138737.

## IMPROVEMENTS IN OR RELATING TO THE PROCESS OF MANUFACTURE OF NONIONIC SURFACTANTS FROM LONG CHAIN ALCOHOLS.

Applicants: GUICHEM DISTILLERS INDIA LIMITED, OF BILIMORA, 396380 DISTT: VALSAD, GUJARAT, INDIA.

Inventors: RAMANLAL MARKANDRAI DESAI AND RAMANASINH RATNASINH PARMAR.

Application No. 11/Bom/73 filed January 8, 1973.

Post dated January 15, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

13 Claims. No drawings.

A process for the manufacture of nonionic surfactants which consists of reacting a long chain alcohol having at least 6 carbon atoms with a polyethylene glycol in presence of polyhydry organic compound and an acid or acid liberating catalyst.

CLASS 32F<sub>3c</sub>. I.C. C07C 35/18.

138738.

METHOD FOR PREPARATION OF SOBREROL FROM  $\alpha$ -PINENE.

Applicants: CAMILLO CORVI S.p.A. OF STRADONE FARNESE 118. 29100 PIACENZA. ITALY.

Inventors: CAMILLO CORVI MORA.

Application No. 1878/Cal/73 filed August 14, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A method for preparing subrerol from  $\alpha$ -pinene by a two stage process wherein first stage consists of oxidation of  $\alpha$ -pinene with perbenzoic acid in chloroform and the second stage consists of hydration of epoxide obtained at stage 1, in an aqueous solution containing carbon dioxide characterized in that in the said first stage  $\alpha$ -pinene is oxidized at temperature in the range of 1°C to -6°C and in the second stage the pinene epoxide is hydrated at 36-100°C.

CLASS 32F<sub>3a</sub>. I.C.-C07C 61/00.

138739.

PROCESS FOR PREPARING OXAPROSTAGLANDINS.

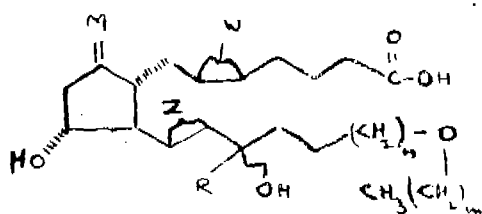
Applicants & Inventors: PFIZER INC., OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Application No. 1265/Cal/73 filed May 30, 1973.

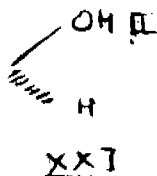
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A process for preparing an oxaprostaglandin of the structure shown in formula I.

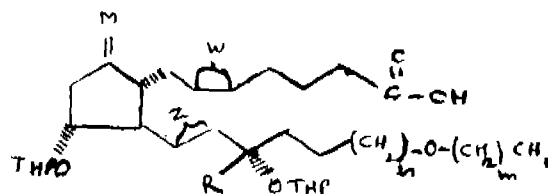


wherein R is hydrogen or alkyl of 1 to 3 carbon atoms; W is a single bond or a *cis* double bond; Z is a single bond or a *trans* double bond; M is keto, a group of formula XX or XXI.



n is an integer of from 0 to 2 and m is an integer of from 0 to 4 with the proviso that the sum of n and m does not exceed 6; and wherein M is so selected as to complete the

structure of a prostaglandin of the E or F series, such as herein defined and the C<sub>9</sub>, C<sub>11</sub> and C<sub>15</sub> esters thereof, wherein the ester group is formyl, alkanoyl of 2 to 5 carbon atoms or benzoyl; characterized by the fact that said compound is prepared by treating the 11- and 15-tetrahydropyranyl ethers of a compound of formula IIA.



wherein n, m, R, M, W and Z are as defined above, and TMP is a tetra hydropyranyl groups with aqueous acetic acid; and, when required forming the formyl, alkanoyl or benzoyl esters of any free 9, 11 or 15 hydroxy groups by reacting said compounds with the appropriate acylating agent as herein described.

CLASS 32F<sub>1</sub>+F<sub>2a</sub> & 55E<sub>4</sub>. I.C.-C07C 103/19.

138740.

IMPROVED PROCESS FOR PRODUCTION  $\alpha$ -6-DE-OXYTETRA-CYCLINES.

Applicants: PFIZER INC. OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

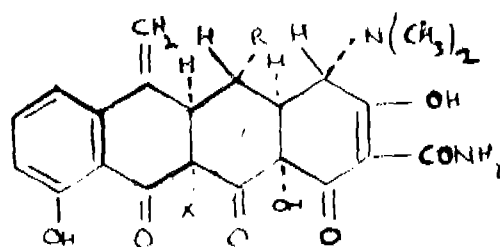
Inventors: THOMAS ARTHUR MORRIS.

Application No. 645/Cal/74 filed March 25, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims

In a process of producing 6-deoxytetracyclines by introducing hydrogen into a reaction-inert medium containing a catalytic amount of rhodium metal and a tetracycline compound selected from the group consisting of a tetracycline base of formula I.



and acid addition salts thereof wherein:

R is hydrogen or hydroxy; and X is hydrogen, chloro, or fluoro and maintaining hydrogen in contact with the said reaction mixture at a temperature of from about 0° to 100°C and at a pressure of from about atmospheric to about 2000 p.s.i., the improvement which comprises conducting the reaction in the presence of (a) from about 2 to about 10 moles, per mole of rhodium metal, of a compound of formula II.

R<sub>1</sub>R<sub>2</sub>R<sub>3</sub>P

wherein each of R<sub>1</sub> and R<sub>2</sub> is the same or different and is phenyl or substituted phenyl wherein the substituent is halo, lower alkoxy, dimethylamino or lower alkyl; and R<sub>3</sub> is R<sub>1</sub>, hydrogen or lower alkyl; and (b) from about 1 and preferably from about 1.1 to about 2.0 moles of acid per mole of tetracycline base, or from about 0.1 to 1.0 mole of stannous chloride per mole of tetracycline acid addition salt.

CLASS 83A, I.C.-A23L 1/10.

138741.

3 Claims

**PROCESS FOR PRODUCING FOOD EXTRUDATE.**

Applicants : NESTLE'S PRODUCTS LIMITED, OF NESTLE HOUSE, COLLINS AVENUE, NASSAU, BAHAMAS.

Inventors : ARTHUR JOSEPH MOSHER AND DONALD EUGENE YINGST.

Application No. 2458/Cal/74 filed November 7, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims. No drawings

A process for preparing an expanded porous food extrudate which comprises

(A) Forming a mixture of finely divided food material with water and

(B) Extruding said mixture under conditions of elevated temperature and pressure such as herein described wherein said mixture additionally comprises a reducing sugar and sulphur-containing substance in an amount sufficient to impart flavour to said food product and wherein said reducing sugar and said sulphur-containing substance are in a ratio which stabilizes the extrusion flow rate.

CLASS 40F &amp; 130F, I.C.-C22 5/12.

138742.

**METHOD AND APPARATUS FOR REDUCING PARTICULATE ORE.**

Applicants : FIERRO ESPONJA S.A., OF MEXICO OF AVENDIA LOS ANGELES AL ORIENTE, MONTEREY, N.L., REPUBLIC OF MEXICO.

Inventors : PATRICK WILLIAM MACKAY JUAN CELADA AND GILBERT GUERRA GARCIA, ENRIQUE R. MARTINEZ AND ANTONIO VILLASENOR.

Application No. 1830/72 filed November 6, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

An apparatus for reducing particulate metal ore to metal with a reducing gas composed largely of carbon monoxide and hydrogen of the type in which the reducing gas flows in a closed loop including the reduction zone of a reactor containing metal ore to be reduced and a catalytic reformer adapted to convert a hydrocarbon gas and steam into carbon monoxide and hydrogen, said loop having an inlet conduit for hydrocarbon gas make-up between said reactor and said reformer and a steam inlet conduit between said hydrocarbon gas inlet conduit and said reformer, said system including apparatus for regulating the flow of steam to said loop to produce a desired reformer outlet gas composition comprising :

(a) means for measuring the gas flow in said loop between said hydrocarbon gas inlet conduit and said steam inlet conduit;

(b) means for determining the gas composition in said loop between said hydrocarbon gas inlet conduit and said steam inlet conduit;

(c) a flow controller in said steam inlet conduit; (d) means responsive to both the measured gas flow and the measured gas composition for regulating said flow controller.

CLASS 148K+L, I.C.-G03C 5/00, 9/00, 11/00.

138743.

**AN IMPROVED PHOTOCONDUCTIVE PLATE.**

Applicants &amp; Inventors : VINAY RAI, 12, AURENGZEB LANE, NEW DELHI-110011, INDIA.

Application No. 1922/72 filed November 15, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

An improved photoconductive plate adapted to be used in an electrostatic photocopying machine comprising a metal conductive plate having a coating thereon, wherein said coating consists of two layers characterised in that first layer being selenium as herein defined and second layer being amorphous photoconductive selenium.

CLASS 148K+L, I.C.-G03C 5/00, 9/00, 11/00.

138744.

**PROCESS FOR THE PREPARATION OF AN IMPROVED PHOTOCONDUCTIVE PLATE.**

Applicants &amp; Inventors : VINAY RAI, 12 AURENGZEB LANE, NEW DELHI-110011, INDIA.

Application No. 1921/72 filed November 15, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A process for the preparation of an improved photoconductive plate wherein said plate consists of a base substrate made of aluminium comprising the steps of depositing by vaporization and under vacuum a first layer of selenium as herein defined on said cleaned substrate and thereafter depositing under vacuum and by, vaporization a second layer of amorphous photoconductive selenium.

CLASS 32F<sub>1</sub>+F<sub>2a</sub>+F<sub>2a</sub>+F<sub>2b</sub> & 55E<sub>2</sub>

138745.

I.C.-C07f 9/02, 9/04, 9/06.

**PROCESS FOR THE PREPARATION OF BIS-PHOSPHORYLATED ANTHRACENOLIN COMPOUNDS.**

Applicants : MUNDIPHARMA AG, OF ALBAN-VORSTADT 94, POSTFACH 4006 BASEL, SWITZERLAND.

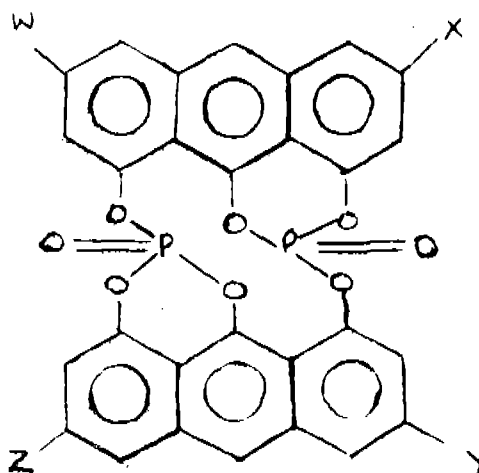
Inventors : PETER HOFER, CHARLES AUBREY FRIEDMAN &amp; WINTHROP F. EVERETT LANGE.

Application No. 118/Cal/73 filed January 15, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for the preparation of compounds of the general formula I.



in which W, X, Y and Z are selected from hydrogen, methyl, chloromethyl, carboxy, methoxy, acetoxymethyl, acetoxylethyl, alkoxyalkyl, chloro and nitro groups which comprises phosphorylating the appropriate anthralin or 1, 8-dihydroxy-9-anthrone with phosphorous oxychloride.

CLASS 98E. I.C.-F28C 3/10. 138746.

APPARATUS FOR HEATING AND CALCINING OF POWDER AND/OR PULVERIZED MATERIALS.

Applicants: ONODA CEMENT CO. LTD., OF 6276, OAZA, ONODA, ONODA-SHI, YAMAGUCHI-KEN, JAPAN.

Inventors: YOSHINARU FUKUDA AND YOSHIHIKO UEDA.

Application No. 300/Cal/73 filed February 12, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 9 Claims

Apparatus for heating and calcining of powder and/or pulverized materials comprising a combustion furnace consisted of a precombustion and a main combustion chamber respectively of sectionally rounded shapes and connected each other coaxially, comprising combustion air inlet pipes respectively in a tangential direction to said precombustion chamber and main combustion chamber, comprising a burners spouting fuel towards said precombustion chamber and main combustion chamber and comprising material feeding devices connected to combustion air inlet pipes sending air towards said main combustion chamber.

CLASS 107G+H. I.C.-F02d 5/02. 138747.

ELECTRONIC COMPUTING APPARATUS FOR A FUEL INJECTION SYSTEM FOR INTERNAL COMBUSTION ENGINES.

Applicants: SOCIÉTÉ DES PROCÉDES MODERNES D'INJECTION SOPROMI, OF 98, BOULEVARD VICTOR-HUGO, 92 CLICHY, FRANCE.

Inventors: LOUIS MONPÉTTIT.

Application No. 397/Cal/73 filed February 22, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 17 Claims

Apparatus for electronically computing the quantity to be injected in a fuel injection system for internal combustion engines, characterised in that it comprises:

a first transducer (1) supplying pulses at a frequency proportional to the speed of the engine;

—a first circuit (2, 3) which converts the said pulses into a voltage proportional to the speed of the engine;

—a second transducer (9-10) for the displayed speed of the engine, by which the said displayed speed is introduced;

—a second circuit (5, 8) which supplies as a result of each pulse from the first transducer a voltage representing the quantity of fuel to be injected in accordance with the steady state curves, by converting the signals of the first and second transducers and in some cases the said voltage proportional to the speed of the engine;

—a third circuit (4) which converts the said voltage proportional to the speed of the engine into a voltage representing the quantity of fuel to be injected in accordance with the full-load curve;

—a fourth circuit (13) which transmits the lower of the two voltages representing the quantities of fuel to be injected in accordance with the steady-state curves and in accordance with the full-load curve.

CLASS 129Q, 134A & 151G. I.C.-B08b

9/04, B60L 11/02, 11/18, F16L 55/16. 138748.

A VEHICLE SUITABLE FOR INTRODUCTION INTO AND MOVEMENT ALONG A PIPELINE AND FOR CARRYING APPARATUS FOR PERFORMING CONSTRUCTION, MAINTENANCE OR TEST FUNCTIONS INSIDE THE PIPELINE.

Applicants: SNAM PROGETTI S.p.A., OF, CORSO VENEZIA, MILAN, ITALY.

Inventors: ARNALDO GAMBINI AND GIACOMO CAPTELLI.

Application No. 459/Cal/73 filed March 1, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 24 Claims

A vehicle suitable for introduction into and movement along a pipeline and for carrying apparatus for performing construction, maintenance or test functions inside said pipeline, the vehicle having a D.C. electrical motor which is coupled for driving the vehicle along the pipeline as aforesaid and is connectible to an electrical battery, which battery is carried on the vehicle when the vehicle is in use, so that the battery can supply driving power to the motor, the vehicle further comprising an internal combustion engine, an electrical generator coupled for being driven by the engine and arranged so that its output electrical energy can be used to bring about driving of the motor, and electrical control means including control circuitry connected to control said motor and a receiving device for initiating a controlling action of said circuitry in response to an appropriate control device which is positioned outside the pipeline during use of the vehicle and is not electro-conductively connected to the receiving device.

CLASS 33F. I.C.-B22d 7/10. 138749.

MOLDINGS FOR HOT TOPS FOR INGOT MOLDS.

Applicants: AIKOH CO. LTD. OF NO. 1-39, 2-CHOME, IKENOHATA, TAITOKU, TOKYOTO, JAPAN.

Inventors: MASARU TAKASHIMA.

Application No. 694/Cal/73 filed March 27, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 3 Claims

A hot top molding for ingot molds with a thick-walled upper portion and an adjacent, stepped, thin-walled lower portion, both portions being approximately parallel to the inner surface of the ingot mold, characterized by the one-piece formation of the upper half portion (3, 3') and the lower half portion (5, 5'), with the step (4, 4') located approximately in the centre of the one-piece mold portion (2, 2') thus formed and the thickness of the upper half-portion (3, 3') varies from 1.3 times to 2.5 times the thickness of the lower half portion (5, 5').

CLASS 206E. I.C.-B65d 53/06. 138750.

IMPROVED METHOD OF MAKING ENCAPSULATED SOLID STATE ELECTRONIC DEVICES.

Applicants: WESTINGHOUSE ELECTRIC CORPORATION, OF PITTSBURGH, PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventors: JOHN ROBERT SZEDON, JOHN ARTHUR JACKSON AND DAVID COLIN PHILLIPS.

Application No. 701/Cal/73 filed March 28, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

A method of making an encapsulated solid state electronic device which comprises applying a positive potential to metallic connection leads attached to the solid state device and placing the device near a negatively charged electrode in a bath of a conducting non-aqueous polyamic acid electrodeposition composition, said composition comprising acid salt within a solvent mixture, said acid salt being the reaction product of a polyamic acid and a nitrogen-containing base, and said solvent mixture comprising a non-aqueous organic solvent for the acid and a non-aqueous, organic non-electrolyzable non-solvent for the salt, wherein the current density between the metallic connection leads and negative electrode is sufficient to electrodeposit a coating on the metallic connection leads, and curing the coating to form a polyimide film on the leads and encapsulating said device in a plastic material.

CLASS 119C+F, I.C.-D03C 1/22, D03d 47/26. 138751.

### APPARATUS FOR DIRECTING WEFT THREAD INTO A GROOVE OF A ROTARY REED OF WEAVING LOOMS.

Applicants: VYZKUMNY USTAV BAVLNARSKY, OF USTI NAD ORLIC, CZECHOSLOVAKIA.

Inventors: JOSEF HOLUB, JOSEF LZICAR, JAN DUBANEK AND JAROSLAV STECH.

Application No. 1340/Cal/73 filed June 7, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

In a travelling wave shedding loom, in combination, wave-travelling shed forming means; a plurality of weft inserting means adapted to follow an endless path and carrying each a pin with a necessary weft thread length to be inserted into said wave-travelling shed; a plurality of spooling heads designed to follow, within a certain section, the same endless path as said weft inserting means and to pay off said necessary weft thread length to the respective weft inserting means within said certain section of said endless path, said weft inserting means leaving then said respective spooling head and proceeds its course toward the wave-travelling shed along a straight path; a rotary reed means comprising a plurality of recessed disks disposed face-to-face on a common shaft in such a relative angular positions that said recesses form together a helical groove to receive the weft thread for conveying it to a beat-up position adjacent the fell of the woven fabric being produced, under a simultaneous tension of said weft thread in the region between said weft inserting means and said spooling head, the axis of said rotary reed means extending in parallel with said straight path of said weft inserting means; and a weft thread deflecting element disposed between said rotary reed means and the path of said spooling heads and adapted to reciprocate between two extreme positions while shunting, in each of said extreme positions and between them, said weft thread so as to correct and angle of the weft thread entering and already received by said helical groove in said rotary reed means to correspond to the lead angle of said groove, the weft thread, in one of said extreme positions of said weft thread deflecting element, being beaten up to the fell of woven fabric by the first or foremost disk of said rotary reed means.

CLASS 40F, 103 & 188, I.C.-C23C 9/00, C23F 17/00. 138752.

### PROCESS FOR THE THERMAL CRACKING OF HYDROCARBON MIXTURES.

Applicants: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., OF CAREL VAN BYLANDT LAAN 30, THE HAGUE, THE NETHERLANDS.

Inventors: CORNELIS NAP, ADRIAAN VAN HAARLEM AND EMILE OTTO HENRI MAXIMILIAAN RUEMPOL.

Application No. 1824/Cal/73 filed August 8, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 15 Claims. No drawings

A process for the thermal cracking of hydrocarbon mixtures in the presence of steam at temperatures from 400° to 1100°C., characterised in that the thermal cracking is carried out in a tubular reaction zone the internal wall of which has been coated with a protective layer by:

(a) first coating the carrier metal of the internal wall with a mixture containing a metal powder such as herein described having a melting point not exceeding 1250°C., and a soldering flux such as herein described,

(b) heating the carrier metal, if necessary, to a temperature at which the said soldering flux is liquid but the said metal powder does not melt,

(c) heating the carrier metal subsequently to a temperature at least equal to the melting point of the metal powder and at most 500°C above that melting point.

(d) cooling the carrier metal,

(e) removing excess soldering flux from the cooled surface of the reaction zone.

CLASS 40A+F, I.C.-B01f 3/00, 3/12, 7/00, 138753.

B28C 5/00 C10b 1/00.

### A SELF-AGGLOMERATING FLUIDIZED BED REACTING PROCESS AND APPARATUS.

Applicants: COMPAGNE INDUSTRIELLE DE PROCEDES ET D'APPLICATIONS S.A., OF TEMPLE-NEUF 4, 2001 NEUCHÂTEL, SWITZERLAND.

Inventors: ALBERT ANDRE GODEL.

Application No. 2134/Cal/73 filed September 19, 1973.

Convention date May 29, 1973/(25449/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

An apparatus for reacting finely divided material in a fluidized bed at a temperature evolving the formation of slag particles, their self-agglomeration and their settlement at the bottom of the fluidized bed, comprising: an upright shell having a cylindrical base portion with a circular fluidizing great fitted thereto and defining a reactor space for receiving a bed of finely divided material resting on the grate; within said space a cell structure immediately adjacent to and overlying a fraction of said grate and defining therewith a shallow space for receiving an auxiliary shallow bed of finely divided material, said shallow space being open to the grate, closed at the top and boxed-in laterally except for a wide opened inlet leading to the cell from the reactor space and an outlet leading from the cell to an ashpit; means for blowing a reacting gas through said grate and fluidizing said main bed and auxiliary bed, thus maintaining them in hydrostatic equilibrium; and means for imparting to said cell a relative rotating motion with regard to the grate, whereby slag settled on the grate and fine fluidized material enter the cell through said wide opened inlet and whereby fine material within the cell is blown out therefrom by the fluidizing gas issuing from the cell and returned to the main fluidized bed while the slag is pneumatically sorted and leaves the cell through the outlet.



CLASS 32F**b**. I.C.-C07d 57/12.

138754.

**PROCESS FOR THE PREPARATION OF NEW HOMOPYRIMIDAZOLE-DERIVATIVES AND THEIR SALTS.**

Applicants : CHINOIN GYOGYSZER-ES VEGYESZETI TERMEKEK GYARA RT., OF BUDAPEST, HUNGARY.

Inventors : ZOLTAN MESZAROS, DR. JOZSEF KNELL AND DR. PETER SZENTMIKLOSI.

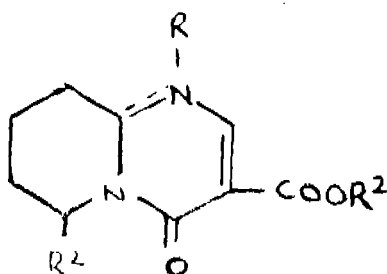
Application No. 261/Cal/74 filed February 7, 1974.

Divisional of Application No. 113032 filed November 3, 1967.

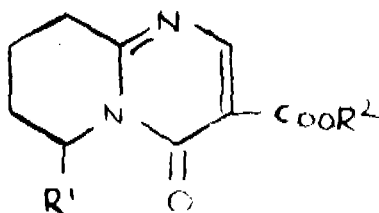
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**3 Claims**

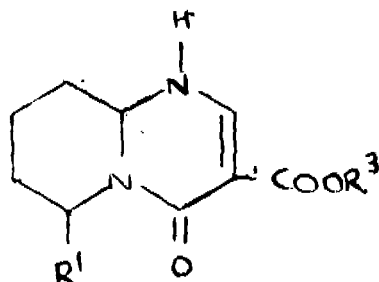
Process for the preparation of homopyrimidazole derivatives of the general formula I.



and salts thereof, wherein  $R^1$ ,  $R$  and  $R^2$  are lower alkyl groups and the dotted line is a single or a double bond, which comprises a/alkylating and optionally reducing a compound of the general formula II.



for example by hydrogenation in the presence of a catalyst, preferably of palladium, or with a complex metal hydride, preferably with sodium borohydride, or b/alkylating a compound of the general formula III.



wherein in the formula II and III  $R^1$  has the same meaning as stated above and  $R^3$  is hydrogen or a lower alkyl group and if desired transforming the group  $R^3$  to  $R^2$  and/or if desired, converting the products thus obtained into their salts or setting the bases free from the salts.

2-517GI/75

CLASS 133A. I.C.-H02p 7/58, 7/34.

138755.

**CONTROL APPARATUS FOR INDUCTION MOTORS.**

Applicants : HITACHI, LTD., OF 5-1, 1-CHOME, MARUNOUCHI, CHIYODA-KU, TOKYO, JAPAN.

Inventors : TAKANOBU HATAKAKIYAMA, (2) SEIYA SHIMA, (3) HIROSHI MARITA (4) NOBUO MITSUI AND TADAO KAMEYAMA.

Application No. 870/Cal/74 filed April 17, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**13 Claims**

A control apparatus for induction motors comprising means for controlling motoring torque including at least one controlled rectifier element to be connected between an AC power source and the induction motor to be controlled, and means for controlling braking torque including a transformer whose primary winding is connected across said AC power source and a controllable rectifier circuit whose AC terminals are connected across the secondary winding of said transformer and whose DC terminals are connected to said induction motor.

CLASS 99E &amp; 166A I.C.A-45C 13/10, 13/38, 11/00. 138756.

**CARGO CONTAINER.**

Applicants : GOODYEAR AEROSPACE CORPORATION, AT 1210 MASSILLON ROAD, AKRON, OHIO, UNITED STATES OF AMERICA.

Inventors : JOHN WILLIAM LOVICH, OSCAR WILLIAM MELLER, FRANK CLINTON MORSE AND WALTER FRED SPRICK.

Application No. 2214/Cal/74 filed October 3, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**11 Claims**

A cargo container having a basic structure of a base and a top, two end panels interconnecting the base and top, and a back panel connected to the top base, and end panels thus defining an open container, further comprising :

vertical door frame channel members attached to each of the end panels;

a header interconnecting the door frame channel members and attached to the top;

two side doors slidably engaged among the header, base, and door frame channel members;

a center door removably engaged among the header, base, and side doors; and

a latch assembly positioned on the centre door adaptable to make grippng engagement with the base thus effectuating interlocking engagement between the two side doors and the centre door.

CLASS 11C &amp; 83A, +B. I.C.-A23K 1/22.

138757.

**A METHOD FOR MANUFACTURING A FEED SUPPLEMENT FOR RUMINANTS CONTAINING NATURALLY DISPERSED UNSATURATED LIPIDS WITH A PROTEIN-ALDEHYDE COMPLEX.**

Applicants &amp; Inventors : ROBERT MARTIN RAWLINGS, OF 901 IMPERIAL PLAZA, 200 N. 3RD BOISE, ADA COUNTY, IDAHO, UNITED STATES OF AMERICA AND FRANK N. (10) RAWLINGS, OF ROUTE 4, NAMPA, CANYON COUNTY, IDAHO, UNITED STATES OF AMERICA.

Application No. 286/Cal/75 filed February 15, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 14 Claims

A method for manufacturing a feed supplement for ruminants containing naturally dispersed unsaturated lipids within a protein-aldehyde complex which is substantially insoluble at pH levels greater than about 5 and substantially soluble at pH levels less than about 4, comprising the steps of:

(a) contacting a material selected from whole oil seed, decorticated oil seed, cracked oil seed and comminuted oil seed, containing naturally dispersed unsaturated lipids within a proteinaceous material with ammonia to activate said proteinaceous material; and

(b) reacting said activated proteinaceous material with an aldehyde selected from the group of hydrocarbons containing at least one aldehyde group which is available for reaction with said proteinaceous material.

CLASS 39G. I.C.-C01d 3/00.

138758.

## IMPROVEMENTS IN OR RELATING TO MANUFACTURE OF COMMON SALTS.

Applicants: DHRANGADHRA CHEMICAL WORKS LTD., OF 'NIRMAL' 3RD FLOOR 241, BACKBAY RECLAMATION, NARIMAN POINT, BOMBAY-1, STATE OF MAHARASHTRA, INDIA.

Inventors: JANAKRISHNA GOVINDARAJALU.

Application No. 137/Bom/73 filed April 28, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 3 Claims

A method of obtaining common salt from brine wherein brine of density  $3^{\circ}\text{Be}$  is evaporated in conventional condensers to increase its density from  $3^{\circ}\text{Be}$  to  $8^{\circ}\text{Be}$ , the brine of density  $8^{\circ}\text{Be}$  is then fed into a high pressure centrifugal pump for imparting force thereto and the brine of density  $8^{\circ}\text{Be}$ , is ejected from a plurality of spray nozzles attached to header pipe such that the ejected brine is in the form of droplets, the resultant concentrated brine which is of density not more than  $14^{\circ}\text{Be}$  is collected at the base of the spray nozzle systems in suitable condensers to be led off to the conventional evaporators for precipitation of Gypsum, concentration upto  $25^{\circ}\text{Be}$  and the subsequent crystallisation of the common salt therefrom by methods known per se.

CLASS 32F<sub>1</sub>+F<sub>2</sub>b & 55E<sub>1</sub>. I.C.-C07d 99/00.

138759.

## PROCESS FOR THE MANUFACTURE OF CONDENSED PYRROLE MERCAPTO COMPOUNDS.

Applicants: CIBA-GEIGY LIMITED, AAREY ROAD, GOREGAON EAST, BOMBAY-63, MAHARASHTRA, INDIA.

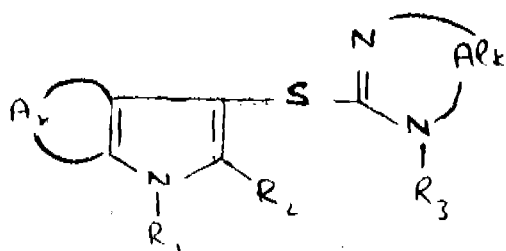
Inventors: DR. VISHWA PRAKASH ARYA AND DR. KUPPUSWAMY NAGARAJAN.

Application No. 160/Bom/73 filed May 3, 1973.

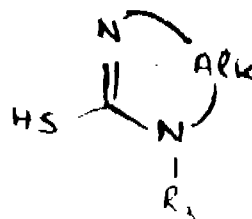
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 7 Claims

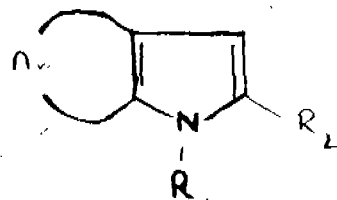
Process for the production of compounds having the general formula I. shown in the drawings accompanying the provisional specification.



in respect of this application, where Ar is a grouping which along with the adjacent carbon atoms forms an o-arylene or an o-heteroarylene residue, each of R<sub>1</sub> and R<sub>3</sub> independently is hydrogen or an aliphatic hydrocarbon radical, R<sub>2</sub> is a hydrogen atom, an aliphatic hydrocarbon radical or a free carboxyl group or functional derivative thereof and Alk represents an alkylene or alkenylene radical contributing 2-5 carbon atoms to the ring or alkylene or alkenylene radical contributing 2-5 carbon atoms to the ring substituted by substituents such as herein described, their tautomers and salts, which comprises reacting a compound of the formula II. shown in the drawings accompanying the provisional specification in respect of this application,



wherein R<sub>1</sub> and 'Alk' have the meanings defined in formula I or a tautomer thereof with a compound of the formula III. shown in the drawings accompanying the provisional specification in respect of this application.



wherein R<sub>1</sub> and R<sub>2</sub> have the meanings given under formula I, in the presence of an oxidising agent such as herein described and if desired converting by a known method the resulting compound to an acid addition salt thereof.

CLASS 193B+E+G. I.C.-B60T 15/20, F16K 21/16 138760.

## REGULATING DEVICE FOR A SELF LAPPING VALVE.

Applicants: COMPAIGNE DES FREINS ET SIGNAUX WESTINGHOUSE, OF 2, BOULEVARD WESTINGHOUSE, 93 SEVRAN, FRANCE.

Inventors: CLAUDE DUBOIS, HENRI LIMOZIN AND RAYMOND CORVIOLE.

Application No. 1305/Cal/73 filed June 4, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims

Apparatus for automatic control of the operation of a fluid pressure self-lapping valve having a control piston-cooperating with a feed flap-valve inserted between a source of pressurised fluid and a feed chamber connected by a connection conduit to at least one fluid chamber to be fed with pressurised fluid, the piston being subjected, in the feed flap valve opening direction, to a control force and, in the flap-valve closure direction, to the pressure in a reaction chamber connected to the said fluid chamber to be fed by connection means which include an open pressure take-off inserted between the reaction chamber and the connection conduit and sensitive to the static and dynamic pressures in the connection conduit to transmit the static pressure and at least a portion of the said dynamic pressure to the reaction chamber.

CLASS 116D+E+H. I.C.-B66d, B66b, B66f 19/00. 138761.

IMPROVEMENTS IN OR RELATING TO WIRE ROPE TYPE RATCHET AND PAWL HOIST DEVICE.

Applicants : KANAK ENGINEERS PVT., OF B-56, GREATER KAILASH, NEW DELHI-110048.

Inventors : DR. PRADIP KUMAR CHAKRAVARTY.

Application No. 775/Cal/74 filed April 5, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

An improved wire rope type ratchet and pawl hoist machine comprising:—

a barrel for winding rope rotatably housed inside a casing by mounting rigidly on an axle, the axle being supported at both ends by the casing,

two ratchet wheels firmly fitted on either ends of the said axle with the barrel, the one being the main hoist ratchet wheel cooperating with an operating handle and the other being the safety ratchet wheel,

a spring loaded pawl pivoted to a handle stub and in constant engagement with the main hoist ratchet wheel under the tension of the spring,

a tubular handle fitted to a socket of the said stub and the stub being freely mounted on the same axle with the barrel,

a spring loaded second safety pawl pivoted to the casing and is in constant engagement with the safety ratchet wheel by means of a leaf or the like spring, the said second pawl being provided with a lip for manually disengaging it from the said second ratchet wheel, and

a semi-circular leaf spring provided over the said barrel, the spring being fixed to the casing with its free ends pressing on the barrel.

CLASS 150C. I.C.-F16L 19/04/31/00.

138762.

FLEXIBLE DUCTING AND JOINTS FOR SUCH DUCTING.

Applicants : COAL INDUSTRY (PATENTS) LIMITED, OF HOBART HOUSE, GROSVENOR PLACE, LONDON, S.W. 1X 7AE, ENGLAND.

Inventors : PETER THORP AND GEORGE WILLIAM BYCROFT.

Application No. 86/Cal/73 filed January 11, 1973.

Convention date January 24, 1972/(3325/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims

A length of flexible ducting having a substantially parallel pair of rings secured to it at one of its ends, the first of said rings being attached at the extreme end of the ducting and the second of said rings being attached at a predetermined distance from said extreme end, the said predetermined distance being such as to be sufficient to retain between the rings a resilient ring of diameter substantially equal to the diameter of the said second ring and attached to an end of a second length of flexible ducting arranged to be passed into the first ducting and connected to it.

CLASS 102D. I.C.-G06d.

138763.

STALL TORQUE AIR SHUT-OFF CONTROL FOR PNEUMATIC NUT RUNNERS.

Applicants : CHICAGO PNEUMATIC TOOL COMPANY, OF 6 EAST 44TH STREET, NEW YORK, NEW YORK, UNITED STATES OF AMERICA.

Inventors : WILLIAM KEITH WALLACE.

Application No. 2076/Cal/73 filed September 11, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 17 Claims

A pneumatic nut runner including an air driven motor, an air shut-off valve disposed in a passage between the air supply and the motor, the shut-off valve being adapted to move to closed position in the passage upon a chamber at its underside becoming pneumatically pressurized, and a throttle valve controlling flow of supply air simultaneously to the passage and to a bleed port connected with the chamber, characterized by a centrifugally operable control valve unit comprising a body mounted to a shaft end of the motor for rotation in a vented chamber of the housing of the nut runner, the body having an internal chamber provided with a ball valve seat connecting by means of a port with the vented chamber, a ball valve movable axially in the internal chamber relative to the seat, a spring normally biasing the ball valve to a closed condition upon its seat, and an inlet port to the internal chamber connected with the chamber at the underside of the shut-off valve, the ball valve being movable from its seat in response to centrifugal forces developed by the motor.

CLASS 53C. I.C.-B62K 5/00.

138764.

TRICYCLE DRIVE TRAIN.

Applicants &amp; Inventors : RAYMOND EARL TEMPLETON, OF 11144 KOLINA LANE, SUN CITY, ARIZONA, UNITED STATES OF AMERICA.

Application No. 1309/Cal/73 filed June 4, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

A tricycle having a front steering wheel, two rear driven wheels a pedal crank arrangement for generating motive power, and a drive train for transferring the said motive power from the pedal crank arrangement to the driven wheels, the drive train including differential gear means for applying the said motive power equally to each of the driven wheels, and coaster brake means for selectively transmitting the said motive power to the driven wheels.

CLASS 33A+D. I.C.-B22d 11/00, B22d 23/00.

138765.

MOULD RECIPROCATING DEVICE OF CONTINUOUS BAR CASTING MACHINE.

Applicants : VSESOJUZYNY ORDENA LENINA NAUCHNO-ISSLEDOVATELSKY I PROEKTNO-KONSTRUKTORSKY INSTITUT METALLURGICHESKOGO MASHINOSTROENIA, OF RYAZANSKY PROSPEKT, 8A, MOSCOW, U.S.S.R.

Inventors : NIKOLAI VALDIMIROVICH MOLOCHNIKOV (2) IGOR EVGENIEVICH KOZHEVNIKOV (3) KONSTANTIN PETROVICH OMELOHUK (4) VIKTOR ALEXEEVICH SCHEPKIN (5) OLEG ALEXANDROVICH KRIVOSHEEV (6) ELENA SOLOMONOVNA GENDEINA (7) JURY IVANOVICH TSYBULNIK AND VIKTOR PAVLOVICH MALTSMAN.

Application No. 62/Cal/74 filed January 9, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 1 Claim

A mould reciprocating device of a continuous bar casting machine, comprising: a mould-carrying frame; appliances adapted for a reciprocating motion in a vertical plane in the direction of a longitudinal mould axis; a profile cam coupled by means of a rigid connection with the shaft of an electric motor a rocking arm with a rock shaft arranged at one end of the arm whose another end is articulated with a movable element of a hydraulic ram a roller attached to said arm and coming into intimate contact with said profile cam; a connecting rod whose one end is articulated with said frame and another with said arm, said rod being adapted to transmit the rocking motion from the arm to the mould-carrying frame.

CLASS 107G. I.C.-F02b 15/00.

138766.

## AN ARRANGEMENT FOR REMOVING GAS FROM A LIQUID FUEL SYSTEM OF A DIESEL ENGINE.

Applicants: THERMO KING CORPORATION, OF 314 W. 90TH STREET, MINNEAPOLIS, MINNESOTA 55420, UNITED STATES OF AMERICA.

Inventors: HAROLD EDWARD MCCLURE AND FLOYD DELANO LEINUM.

Application No. 376/Cal/74 filed February 22, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims

An arrangement for removing gas from a liquid fuel system of a diesel engine including a fuel receiver and a fuel supply circuit, said arrangement comprising a confined fluid flow path extending in a sloping curve downwards toward and communicating with said fuel receiver, and coupling means connecting said fuel supply circuit to the downwardly sloping fluid flow path at the upper end thereof, said fluid flow path being such as to permit simultaneous downward and upward flows therethrough of liquid fuel and gas, respectively, characterized in that said coupling means comprises a conduit connected at one end thereof to said fuel supply circuit, and conduit means connected to the downwardly sloping fluid flow path at substantially the highest point thereof, said conduit extending through said conduit means to, and having its other end in communication with, said fluid flow path, and said conduit means having a gas outlet port and internal passage means providing communication between said gas outlet port and substantially said highest point of the downwardly sloping fluid flow path.

CLASS 166A. I.C.-B63 3/00.

138767.

## FLOATING BODY OF METAL.

Applicants: FRIED. KRUPP GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, OF ALTENDORFER STRASSE 103, D-43, ESSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors: HUGO SEDLACEK AND WOLFGANG DIEFENDAHL.

Application No. 761/Cal/74 filed April 4, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

Floating body of metal, having double-skinned side walls, in particular boat-hull, wherein the exterior skin is formed by a flat sheet (3) and the inner skin is formed by a hump sheet (4), these sheets being so interconnected that between the inner and outer skins over the major portion of the side walls, hollow spaces are formed, the inner and the external skin being welded together in the positions (5) in which the raised portions of the hump sheets are in abutment with the flat sheet (3).

CLASS 32F.C. I.C.-C07C 135/00.

138768.

## METHOD OF PREPARING 1, 4-DICYANO BUTENES.

Applicants: HALCON INTERNATIONAL, INC, AT 2 PARK AVENUE, NEW YORK, NEW YORK 10016, UNITED STATES OF AMERICA.

Inventors: OLAV TORGEIR ONSAGER.

Application No. 1267/Cal/74 filed June 11, 1974.

Division of Application No. 1769/72 filed October 30, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims. No drawings

The method for preparing 1, 4-dicyanobutenes which comprises subjecting 2-methylene glutaronitrile to an isomerization reaction as herein described and recovering product, 4. dicyanobutenes.

CLASS 32F.C. I.C.-C07C 135/00.

138769.

## THE METHOD OF PREPARING 1, 2, 4-TRICYANOBUTANE.

Applicants: HALCON INTERNATIONAL, INC., AT 2 PARK AVENUE, NEW YORK, NEW YORK 10016, UNITED STATES OF AMERICA.

Inventors: OLAV TORGEIR ONSAGER.

Application No. 1266/Cal/74 filed June 11, 1974.

Division of Application No. 1769/72 filed October 30, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawings

The method of preparing 1, 2, 4-tricyanobutane which comprises reacting 2-methylene glutaronitrile with hydrogen cyanide in the liquid phase at temperatures of 0 to 300°C. and in the presence of a basic catalyst.

CLASS 48A. I.C.-H01b 9/00.

138770.

## IMPROVEMENTS IN ELECTRIC CABLES.

Applicants: BRITISH INSULATED CABLES LIMITED OF 21 BLOOMSBURY STREET, LONDON, W.C.1., ENGLAND.

Inventors: PETER HIGGINS.

Application No. 1025/Cal/73 filed May 2, 1973.

Convention date May 4, 1972/(20890/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 28 Claims

A distribution cable comprising a number of bare electric power conductors and a bare neutral conductor embedded in and mutually insulated by a single body of rubber or plastics insulating material extending throughout the length of the cable and, permanently connected to the distribution cable at each of a number of spaced locations along its length before it is installed, means electrically connected to a power conductor and to the neutral conductor of the distribution cable suitable for connecting said power and neutral conductors to the corresponding conductors of a consumer service cable or to terminals of a fuse cut-out box or other installation accessory, each of said connecting means being at least partially embedded in a protective insulating covering integral with or bonded to the body of insulating material.

CLASS 166A. I.C.-B63b 3/00.

138771.

## IMPROVEMENTS RELATING TO SHIP HULLS.

Applicants & Inventors : JENS TRONJE LAUENBORG, OF FJELLTUN N-1640 RAADE, NORWAY.

Application No. 1666/Cal/73 filed July 17, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

A ship hull of the trimaran type, where the middle part of the hull extends down to a depth under the side hulls where it terminates in a rounded bow, characterized in that the middle part of the hull has a considerably shorter length than the side hulls, said middle part terminating a distance forwards of the aft end of the ship hull.

CLASS 89. I.C.-G01L 1/00.

138772.

## TENSION MEASURING DEVICE.

Applicants & Inventors : DR. SHANKAR PRASAD SHARMA, BRIJ KISHORE GOYAL, SULTAN SINGH JAIN, AND PRADEEP MOHAN STRUCTURAL ENGINEERING RESEARCH CENTRE, ROORKEE DISTRICT SAHARANPUR, UTTAR PRADESH, INDIA.

Application No. 1885/Cal/73 filed August 14, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 1 Claims

A tension measuring device comprising of a body (1), strain gauges (2) fixed to the body (1) and connected with each other to form a bridge circuit and the lead wires (5) being connected to a strain measuring instrument, a cover protecting the strain gauges and means for connecting the device to a body whose tension is to be measured such that when the device is put under tension, the strain gauges are strained resulting in a change of resistance which in turn changes the current proportional to the tensile force passing through it which is measured in the strain measuring instrument.

CLASS 89. I.C.-G01L 25/00.

138773.

## DEVICE FOR TESTING HOLLOW BODIES.

Applicants : ELCAIOR AG. FABRIK FUR ELEKTRO-THERMISCHE APPARATE OF BLEICHEMATTSTRASSE, 5000 AARAU, SWITZERLAND.

Inventors : MAX WEBER.

Application No. 2086/Cal/73 filed September 12, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

A device for testing hollow bodies, particularly glass bottles, with pressurized gas, the device being arranged that the hollow bodies conveyed on a circular path through the device are successively one after the other closed with sealing heads containing valves and moving upwards and downwards, said valves introducing pressurized gas into the said hollow bodies and in which device untight hollow bodies or fragments of broken hollow bodies are moved away from further being conveyed by directing means controlled by differential pressure measuring means, the device for testing further comprising means for reversing pressurized gas containing distributor means and joining ring means being rotatably mounted on said distributor means, said distributor means being provided with inlet bores said inlet bores being connected to recesses which recesses contact channels within said joining ring means successively when being rotated on a circular path in synchronism with the conveyance of the hollow bodies each of said channels being connected to a

respective disc valve associated with a respective sealing head by means of a hose and wherein the disc of the said disc valve has a small bore, that for testing the axial load of the said hollow body there is provided first inlet bore means of said distributor means being acted upon with a pressure, that for further testing the bursting strength there is provided second inlet bore means of said distributor means being acted upon with the upmost pressure and that for finally testing the leakage of the hollow body said differential pressure measuring means are connected between said second inlet bore means and third inlet bore means, said third inlet bore means being connected to said recess following said recess being connected to said second inlet bore means.

CLASS 160A. I.C.-B65d 87/00.

138774.

## APPARATUS FOR THE TRANSPORTATION AND BULK DELIVERY OF PLANT MANUFACTURED SLURRY-BLASTING AGENTS.

Applicants : INDIAN EXPLOSIVES LIMITED, ICI HOUSE, 34, CHOWRINGHEE ROAD, CALCUTTA-16, WEST BENGAL, INDIA.

Inventors : SAMARENDRA KUMAR BISWAS AND ARUN RANJAN CHAUDHURI.

Application No. 2211/Cal/73 filed October 1, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

Apparatus for the transportation and bulk delivery of plant manufactured slurry blasting agents from the site of their manufacture to the site of their use, which comprises at least one chamber for containing the slurry blasting agents mounted on a movable vehicle, pump means for pumping out the slurry at the work site, means provided in the chamber for conveying the slurry to the suction of pump, power means for the synchronous driving of both the pump and the slurry conveying means and outlet means connected to the discharge end of the pump for the delivery of the pumped slurry blasting agents to the work site.

CLASS 5C+D. I.C.-A01d 41/00.

138775.

## AN AGRICULTURAL MACHINE HAVING AN ENGINE ENCLOSURE AND INCLUDING MEANS FOR FILTERING THE ENGINE COOLING AIR.

Applicants : DEERE & COMPANY, MOLINE, ILLINOIS, U.S.A.

Inventors : NEIL L. WEST—AND JAMES ROGER NELSON.

Application No. 2266/Cal/73 filed October 12, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 18 Claims

An agricultural machine having an engine enclosure and including means for filtering the engine cooling air comprising a rotating screen on the engine enclosure for filtering the engine cooling air moving therethrough, and partial vacuum chamber opposite a section of the rotating screen for sucking off trash and other contaminants filtered out of the intake air on the screen.

CLASS 49B &amp; 92. I.C.-A23L 1/20.

138776

## A MACHINE FOR COOKING SOYABEAN MATERIAL OR THE LIKE.

Applicants : KOEHRING COMPANY, OF 780 NORTH WATER STREET, CITY OF MILWAUKEE, STATE OF WISCONSIN 53201, UNITED STATES OF AMERICA.

Inventors : JOHN ADE MCBRIDE.

Application No. 2477/Cal/73 filed November 12, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 11 Claims

A machine for cooking material like soya bean comprising in combination an elongated hollow housing having opposite ends and an interior wall surface, a screw conveyor means including a shaft with flighting thereon rotatably mounted in said housing, said screw conveyor and including a spiral flighting rib means for conveying material along the interior of said housing upon the rotation of said shaft, said housing having a material inlet opening adjacent its said one end, means for supplying material to said material inlet opening, said housing having fluting means provided on its interior wall surface, an end plate closing the other end of said housing, said end plate having a discharge opening formed therein which rotatably receives one end of said drive shaft extending therethrough, said discharge opening having a larger diameter than said shaft to permit material to be discharged from said housing outwardly therethrough around said shaft, washer means on said shaft outwardly of said end plate and having a diameter substantially greater than the diameter of said discharge opening, and means maintaining said washer means on said shaft, said material being heated and cooked by heat and pressure applied thereto which is generated as the material is conveyed along the interior of said housing, forced against said end plate, discharged outwardly through said discharge opening, and passed between said end plate and said washer means.

CLASS 27G. I.C.-E04c 3/00.

138777.

### IMPROVEMENTS IN OR RELATING TO DOUBLE LAYERED BRACED DOMES.

Applicants & Inventors: KUMANDUR SRINIVASIYEN-GAR RANGASAMI, PROFESSOR CIVIL ENGINEERING DEPARTMENT, REGIONAL ENGINEERING COLLEGE, ROURKELA 8, ORISSA STATE, INDIA AND KASAVI-HARI BURRA, ASSISTANT PROFESSOR APPLIED MECHANICS DEPARTMENT, REGIONAL ENGINEERING COLLEGE, ROURKELA 8, ORISSA STATE, INDIA.

Application No. 2821/Cal/73 filed December 27, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 12 Claims

A double layered braced dome formed of prefabricated plane trapezoidal truss-units connected by means of either bent strap connectors or by means of collar-ring connectors or by means of both types of connectors in any desired combination, a trapezoid being defined as a four sided plane figure with at least two sides parallel.

CLASS 175H. I.C.-F02b 3/00.

138778.

### IMPROVEMENT RELATING TO PISTON ASSEMBLIES.

Applicants: MASCHINENFABRIK AUGSBURG-NURNBERG, AKTIENGESellschaft, OF KATZWANGER STRASSE 101, 8500 NURNBERG, 2, FEDERAL REPUBLIC OF GERMANY.

Inventors: HERIBER KUBIS AND GERHARDT DESCHLER.

Application No. 494/Cal/74 filed March 7, 1974.

Convention date November 2, 1973/(50956/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 3 Claims

A piston, gudgeon pin and connecting rod assembly, for high speed four stroke internal combustion engines, in particular for Diesel engines in which the fuel is injected towards

the cylinder walls, where-in there is provided centrally in the piston crown a substantially spherical combustion chamber having constricted opening; and wherein:—

(a) the piston is made from tough cast iron;

(b) the skirt or lower portion of the piston is recessed to provide two opposite flattened surfaces below the level of the piston ring grooves;

(c) the flattened surfaces extend parallel to the longitudinal axis of the piston from adjacent respective portions of the outer wall of the combustion chamber so as to lie normal to the gudgeon pin axis;

(d) the bearings for the gudgeon pin are provided by or in apertures provided in the flattened surfaces directly below said respective portions;

(e) the gudgeon pin is hollow and the length of its load bearing song is no greater than the distance between the two flattened surfaces; and

(f) the connecting rod and gudgeon pin are firmly connected by shrink fitting.

CLASS 63H+I. & 157D. I.C.-E01b 11/00, H01f 13/00.

138779.

### A DEMAGNETISER FOR RAIL JOINTS.

Applicants: THE CHIEF CONTROLLER RESEARCH AND DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI (INDIA).

Inventors: SHRI PADMANABHAN VENUGOPALAN.

Application No. 769/Cal/74 filed April 5, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 3 Claims

A demagnetiser device for use in conjunction with rail joints at the time of welding the rail joints to neutralise the magnetic field of the rail joint in order to prevent the attraction of the welding electrode which device comprises two electro-magnets, one on either side of the rails to be welded at the gap, the pole faces of said electromagnets being connected to the rail, each electromagnet including a pair of electromagnetic coils, the coils being connected in series and a low volt power supply for the said electro-magnets.

CLASS 24D. I.C.-F16d 49/00.

138780.

### HYDRAULIC BRAKING SYSTEM FOR VEHICLES.

Applicants: GIRLING LIMITED, OF KINGS ROAD, TYSELEY, BIRMINGHAM, 11, ENGLAND.

Inventors: DAVID ANTHONY HARRIES AND PATER CHARLES SHAKESPEARE.

Application No. 849/Cal/74 filed April 16, 1974.

Convention date April 27, 1973/(20058/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 3 Claims

An hydraulic braking system for a vehicle comprising three independent sources of pressure fluid, the first source being connected to an actuator of a front wheel brake and an actuator of a rear wheel brake on the opposite side of the vehicle, the second source being connected to an actuator of the other front wheel brake and to an actuator of the other rear wheel brake, and the third source being connected to an actuator of each of the front wheel brakes hydraulically separate from the actuators connected to the first and second sources.

CLAAS 69-O. I.C.-H01h 1/00.

138781.

ELECTRICAL CONTACT UNIT FOR ATTACHMENT TO A CONTACTOR OR OTHER ELECTROMAGNETICALLY OPERATED SWITCH.

Applicants: CUTLER HAMMER WORLD TRADE INC., OF 4201 NORTH 27TH STREET, P.O. BOX 463, MILWAUKEE, WISCONSIN 53201, UNITED STATES OF AMERICA.

Inventors: WILLIAM HERBERT HAYWARD.

Application No. 881/Cal/74 filed April 18, 1974.

Convention date April 18, 1974/(18839/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims

An electrical contact unit for attachment to an electromagnetically operated switch, said contact unit comprising a housing divided into two parts, a leg depending from each housing part and formed with a hooked end for engagement of the contact unit with a complementary formation on the switch, the two housing parts being held together by resilient coupling means permitting partial separation of the two housing parts against the resilience of said coupling means whereby contact unit is snap-engageable with said complementary formation, relatively movable contact members in the housing and an operating member for said contact members.

CLASS 129H. I.C.-B23b 41/06.

138782.

APPARATUS FOR CUTTING OPENINGS INTO PIPES.

Applicants & Inventors: WILHEIM HEGLER, OF BAD GISSINGEN, GOETHESTR. 2, WEST GERMANY.

Application No. 1341/Cal/73 filed June 7, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims

In an apparatus for cutting discontinuous apertures in the surface of a pipe the improvement which comprises a means for revolving a cutter about axially moving pipe to be cut and means for moving the cutting surface in an epitrochoid path as it passes, on a first pass through an exterior surface of said pipe and into the hollow therewithin to form an aperture in the surface of said pipe.

CLASS 104A. I.C.-C08C 1/14, B29H 1/02.

138783.

AN APPARATUS AND METHOD FOR COAGULATING LATEX.

Applicants: THE WILKINSON PROCESS RUBBER COMPANY, BERHAD AND BERNARD CONNELLAN WILKINSON, OF P.O. BOX 1007, 70 JALAN AMPANG, KUALALAMPUR, MALAYSIA, AND A BRITISH SUBJECT OF THE GRANGE NEW BIGGIN-BISHOPS-DALE, AYSGARH, YORKSHIRE, ENGLAND.

Inventors: BERNARD COLLELLAN WILKINSON AND HAROLD JULLAN ANGUS.

Application No. 1832/72 filed November 7, 1972.

Convention date November 25, 1971/(54747/71) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 21 Claims

Apparatus for the coagulation of latex comprising a tubular coagulator mounted for rotation about its longitudinal axis, drive means for rotating the tubular coagulator and means for feeding latex and coagulant into an input end of the tubular coagulator to produce a continuous supply of coagulated latex at an output end of the tubular coagulator,

wherein the tubular coagulator has a mixing chamber and a consolidating chamber, the mixing chamber being disposed adjacent the input end of the coagulator and being separated from the consolidating chamber by a restriction which is of convergent/divergent shape so as progressively to reduce the effective internal cross-sectional area of the coagulator until a throat is reached and thereafter progressively increase the effective internal cross-sectional area of the coagulator, considering motion from the input end to the output end, at least part of the length of the consolidating chamber carrying projectins which extend inwardly from the internal surface of the coagulator and which in use complete coagulation of the latex.

CLASS 32Fb+C+D. I.C.-C07d A01n 5/00

138784

METHOD FOR PREPARATION OF HALOPHENOXACETATE COMPOUNDS.

Applicants: AMERICAN CYANAMID COMPANY, AT WAYNE, NEW JERSEY, UNITED STATES OF AMERICA

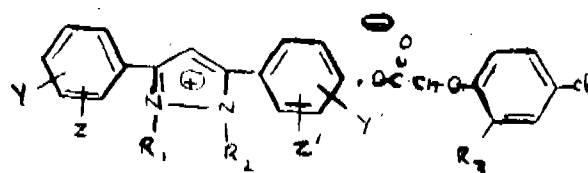
Inventors: RICHARD WILLIAM FEENY.

Application No. 2017/72 filed November 29, 1972.

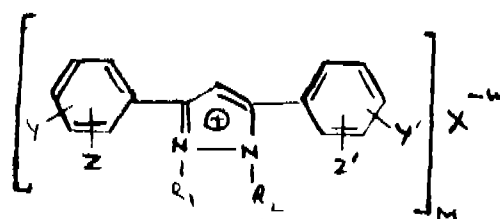
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

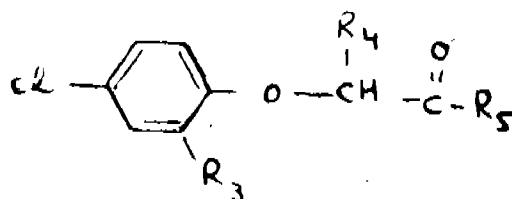
A method for the preparation of a compound of formula III.



wherein  $R_1$  is methyl;  $R_2$  is alkyl  $C_1-C_4$ ;  $R_3$  is Cl or methyl;  $R_4$  is hydrogen or methyl;  $Y, Y', Z$  and  $Z'$  are hydrogen, halogen, methyl or methoxy, comprising reacting a pyrazolium salt of formula I.



wherein  $R_1$  is methyl;  $R_2$  is alkyl  $C_1-C_4$ ;  $X$  is an anion with a charge of 1 to 3;  $Y, Y', Z$  and  $Z'$  are hydrogen, halogen, methyl or methoxy; and  $m$  is an integer 1, 2 or 3; provided that only one phenyl ring can be substituted on the carbon para to the pyrazolium ring with a substituent other than hydrogen; with a phenoxyacetic acid or salt of formula II.



wherein  $R_3$  is Cl or methyl;  $R_4$  is hydrogen or methyl;  $R_5$  is  $-OR_6$  or  $-OM$ ;  $R_6$  is hydrogen, alkyl  $C_1-C_6$ , alkoxyalkyl

$C_3-C_6$  or tetrahydrofurfuryl; and M is an alkali metal ion,  
 $R^7 -R_4-$  or  $HN+(H)_n (R_{10}OH)_n$ ;  $R_7$ ,  $R_8$  and  $R_9$  are hydro-



gen or alkylene  $C_1-C_6$ .

$R_{10}$  is alkyl  $C_1-C_6$ ;  $n$  is an integer 0, 1 or 2;  $n'$  is an integer 1, 2 or 3 and the sum of  $n$  and  $n'$  is 3; or mixtures of the acid ester or salt.

CLASS 32F<sub>b</sub>+C+D. I.C.-C07C 35/06 49/40, 138785  
 49/46, 49/58, 61/02, 61/06, 61/32,  
 61/36, 69/22, 69/24, 69/74.

#### PROCESS FOR THE PREPARATION OF NEW CYCLOPENTANE DERIVATIVES.

Applicants: MAY & BAKER LIMITED, OF DAGENHAM, ESSEX, ENGLAND.

Inventors: MICHAEL PETER LEAR CATON AND TREVOR PARKER.

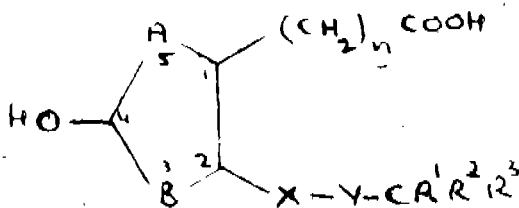
Application No. 338/Cal/73 filed February 16, 1973.

Convention date February 18, 1972/(7640/72) U.K.

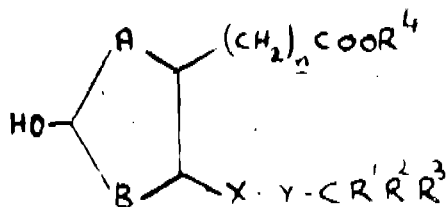
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 3 Claims

Process for the preparation of cyclopentane derivatives of the general formula shown in Figure I.



[wherein  $R^1$  and  $R^2$  are identical or different and each represents a hydrogen atom or a straight- or branched-chain alkyl group containing from 1 to 4 carbon atoms,  $R^3$  represents a hydrogen atom or a straight- or branched-chain alkyl group containing from 1 to 10 carbon atoms,  $n$  represents 4 or 6, and the symbols A, B, X and Y have any one of the following combinations: (a) A represents a methylene group, B represents a hydroxymethylene group, X represents an ethylene group and Y represents a hydroxymethylene group; (b) A represents a carbonyl group, B represents a methylene group, X represents an ethylene or transvinylene group and Y represents a hydroxymethylene group or carbonyl group; (c) A represents a hydroxy-methylene group, B represents a methylene group, X represents an ethylene or trans-vinylene group and Y represents a hydroxymethylene group] and salts thereof, which comprises the alkaline hydrolysis, with an alkali metal hydroxide in an aqueous organic solvent medium, of compounds of the general formula shown in Figure II.



wherein  $R^1$ ,  $R^2$ ,  $R^3$ , A, B, X, Y and  $n$  are as hereinbefore defined and  $R^4$  represents a straight- or branched-chain alkyl

group containing 1 to 12 carbon atoms and, if desired, converting by a known method as hereinbefore described the derivative so obtained into a salt of the carboxylic acid of the formula shown in Figure I.

CLASS 32F<sub>b</sub>. I.C.-C07d 5/00, 5/10.

138786.

#### RESOLUTION OF 2-(6-METHOXY-2-NAPHTHYL) PROPIONIC ACID.

Applicants: SYNTEX CORPORATION, OF APARTADO POSTAL 7386, PANAMA, PANAMA.

Inventors: PASQUALE GALLEGRA.

Application No. 878/Cal/73 filed April 13, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 10 Claims. No drawings

A process for resolving 2-(6-methoxy-2-naphthyl)-propionic acid comprising the steps of:

(a) preparing a mixture of cinchonidine, an inorganic base having a basicity,  $pK_a$  of greater than 8, d and 1 2-(6-methoxy-2-naphthyl) propionic acid and an inert organic solvent such as herein described in which the cinchonidine salt of 1 2-(6-methoxy-2-naphthyl)-propionic acid and inorganic base salts of d and 1 2-(6-methoxy-2-naphthyl) propionic acid are soluble, the solubility in the inert organic solvent of salts of the d and 1 2-(6-methoxy-2-naphthyl)-propionic acid and the inorganic base being greater than the solubility of the cinchonidine salts of the d and 1 2-(6-methoxy-2-naphthyl)-propionic acid, and

(b) crystallizing the cinchonidine salts of d and 1 2-(6-methoxy-2-naphthyl)-propionic acid from the mixture to yield a salt product enriched in the d 2-(6-methoxy-2-naphthyl) propionic acid salt.

CLASS 32F<sub>b</sub> & 55E. I.C.-C07d 99/24.

138787.

#### PROCESS FOR THE PREPARATION OF 7-(D-ALPHA-AMINO-1, 4-CYCLOHEXADIEN-1-YLACETAMIDO) CES-ACETOXYCEPHALOSPORANIC ACID DIHYDRATE.

Applicants: E.R. SQUIBB & SONS, INC., OF LAWRENCEVILLE-PRINCETON ROAD, PRINCETON, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors: FRIEDRICH DURSCH AND THEODORE MICHAEL SIEWARGA.

Application No. 1185/Cal/73 filed May 21, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 7 Claims

A process for the preparation of 7-(D- $\alpha$ -amino-1, 4-cyclohexadien-1-ylacetamido) desacetoxycephalosporanic acid dihydrate characterized by neutralizing as herein described, an acid addition salt or basic salt of 7-(D- $\alpha$ -amino-1, 4-cyclohexadien-1-ylacetamido) desacetoxycephalosporanic acid in the presence of water at a temperature of about 0°C to about 25°C.

CLASS 148H. I.C.-G03g 5/02.

138788.

#### A METHOD OF MANUFACTURING AN ELECTROPHOTOGRAPHIC FILM ARTICLE AND ARTICLE THEREBY OBTAINED.

Applicants: COULTER INFORMATION SYSTEMS, INC., OF 7 DE ANGELO DRIVE, BEDFORD, MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventors: MANFRED RUDOLF KUEHNLE.

Application No. 1314/Cal/73 filed June 5, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.



## 21 Claims

A method for manufacturing an electrophotographic film article which comprises the steps of :

A. depositing a thin film layer of ohmic material upon a flexible thin organic transparent substrate in thoroughly bonded condition and an thickness which renders said thin film layer substantially transparent and flexible,

B. sputtering a thin film coating of a wholly inorganic photoconductor material upon said ohmic material in thoroughly bonded condition and a thickness which provides a gain of said photoconductor material greater than unity and which is substantially transparent and flexible, the total thickness of said article having a light absorptivity of not greater than 30 per cent and not less than about 15 per cent.

## Opposition proceedings

## (1)

The opposition entered by Sadashiv Yeswant Joshi to the grant of a patent on application No. 135806 made by Onkar Banerjee, as notified in Part III, Section 2 of the Gazette of India dated the 15th March, 1975 has been treated as withdrawn.

## (2)

The Opposition entered by Centron Industrial Alliance Private Limited to the grant of a patent on application No. 128930 made by Harbans Lal Malhotra & Sons Private Limited as notified in Part III, Section 2 of the Gazette of India, dated the 17th February, 1973 has been dismissed.

## CORRECTION OF CLERICAL ERRORS

Under section 78(3) of the Patents Act, 1970 certain clerical errors occurring in the application and specification of Patent application No. 137036 were corrected on 24th February 1976.

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

## (1)

88294 99115 101055. 108855. 110036 110612 111849 112177  
112337 112400 112405 112444 112477 112550 112617 112675  
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## (3)

113196 114312 114769 114792 115144 115278 116388 116405  
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## PATENTS SEALED

84682 89435 105114 109223 121187 123498 124391 129375  
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## AMENDMENT OF PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Snam Progetti S.p.A., an Italian Company, of Corso Venezia 16, Milan, Italy, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 138392 for "Polymerization of olefins". The amendments are by way of amendment of their name from "Snam Progetti S.p.A." to "Snamprogetti S.p.A." in the application and specification. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214 Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

## RENEWAL FEES PAID

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#### CESSEATION OF PATENTS

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#### RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 123037 dated the 4th September 1969 made by Inventa A.G. für Forschung und Patentverwertung on the 4th September 1975 and notified in the Gazette of India, Part-III Section 2, dated the 6th December, 1975 has been allowed and the said patent restored.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 143509. Alfred Racek, of Seitenbergg 50, Vienna 16, Austria, of Austrian Nationality. "A gas lighter". October 18, 1975.

Class 1. No. 143541. Rafiq Ahmed, trading as R. A. Industries, House No. 3351, Baghichi Achheji, Bara Hindu Rao, Delhi-6, Indian National, "Frame of mirror". November 3, 1975.

Class 1. No. 143542. Prakash Chandra, an Indian of 24, Second Street, Dr. Sivananda Nagar, Coimbatore-12, Tamil Nadu, India. "Carrier for cycle". November 4, 1975.

Class 1. No. 143581. Ram Singh Jayaswal, 11, Circuit House Area North, Jamshedpur, Bihar, India, an Indian National. "The fork shovel". November 15, 1975.

Class 1. No. 143585. Jivan Saboo, An Indian Citizen 48, Municipal Industrial Estate, off E. Moses Road, Worli, Bombay-400018, Maharashtra, India. "A reel". November 19, 1975.

Class 1. No. 143590. Prakash Chandra, an Indian of 24, Second Street, Dr. Sivananda Nagar, Coimbatore-12, Tamil Nadu, India. "Front shock absorber assembly for bicycle". November 20, 1975.

Class 3. No. 143402. Harry Electronics, an Indian Partnership Firm, Chapsi Building, 295/297, Lamington Road, Bombay-400007, Maharashtra, India. "Battery eliminator". September 15, 1975.

Class 3. No. 143405. Dunlop Limited, a British Company, of Dunlop House, Hyder Street, St. James' London S.W. 1, England. "Tyre for a vehicle wheel". September 15, 1975.

Class 3. No. 143432. R. C. Puri & Sons, of 64-C, Saharu Castle, Mohamed Ali Road, Bombay-3, Maharashtra, India, an Indian Partnership concern. Indian Nationals. "Bathing showers". September 22, 1975.

Class 3. No. 143455. Royal Industries, 5, Mugekar Industrial Estate, Off Aarey Road, Goregaon (East), Bombay-400063, Maharashtra, India, an Indian Proprietary Firm. "Lipstick container". October 1, 1975.

Class 3. No. 143532. Bombay Latex & Dispersions Private Limited, a private limited company incorporated in India under the Companies Act, at 83-C, Dr. Annie Besant Road, Worli, Bombay-18, State of Maharashtra, India. "A nipple of a feeding bottle". October 31, 1975.

Class 3. No. 143547. Swastik Agro-Equipment Private Limited (a private limited company incorporated under the Indian Companies Act) Chhani Road, Nizampur, Baroda-2, Gujarat State, India "Mist sprayer". November 5, 1975.

Class 10. No. 143357. Chhamma Plastic Industries, a Partnership firm registered under Indian Partnership Act, 1932, C-81, Pandow Gali No. 8, P.B. Silampur, Sahadara-Delhi-110032, "Chappal". August 26, 1975.

Class 14. No. 142036. Natverlal Purshottamdas Kinariwala, an Indian Citizen, 148, Garden Area, Maninagar, Ahmedabad-8, State of Gujarat, India. "Woven fabric". July 17, 1974.

S. VEDARAMAN

Controller-General of Patents,

Designs and Trade Marks.

